

02-8712-06-PA

Rev. No. 0

COMPLETED

FILE COPY

PRELIMINARY ASSESSMENT
CARBORUNDUM

PREPARED UNDER

TECHNICAL DIRECTIVE DOCUMENT NO. 02-8712-06
CONTRACT NO. 68-01-7346

FOR THE

ENVIRONMENTAL SERVICES DIVISION
U.S. ENVIRONMENTAL PROTECTION AGENCY

DECEMBER 15, 1987

NUS CORPORATION
SUPERFUND DIVISION

SUBMITTED BY:

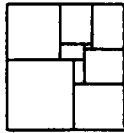
REVIEWED/APPROVED BY:


DONNA RESTIVO
PROJECT MANAGER


RONALD M. NAMAN
FIT OFFICE MANAGER

304403





N U S
CORPORATION

**POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT**

02-8712-06-PA
Rev. No. 0

Carborundum
Site Name

NYD000513366
EPA Site ID Number

Hyde Park Blvd., Niagara Falls, New York
Address

02-8712-06
TDD Number

Date of Site Visit: An off-site reconnaissance was not conducted

SITE DESCRIPTION

The Carborundum (Globar Plant) Site is an inactive facility located on Hyde Park Boulevard in Niagara Falls, Niagara County, New York. Heating elements made of ceramic and graphite were manufactured by Carborundum. The plant generated sand, fly ash, pallets, incinerator ash, and residue until 1962. Wastes such as paper, wood, scrap materials, and boxes were incinerated on site until 1962. The storage area contained scrap metal and oil drums awaiting recycling. Several drums of spent solvents were stored at the rear of the building. All wastes stored on site were removed for disposal within 90 days to eliminate the necessity of obtaining a Part 360 Permit. Presently, all wastes have been removed and the site is paved.

Groundwater is used for drinking by two homes within 3 miles of the site. There are no surface water intakes within 3 miles downstream of the site.

PRIORITY FOR FURTHER ACTION: High ☐ Medium ☐ No Further Action ☒

RECOMMENDATIONS

No further action is recommended for this site. There are only two homes within 3 miles that use groundwater for drinking purposes, and there are no surface water intakes within 3 miles downstream of the site. The site is now paved; therefore, direct contact is not a problem. Any further action in the future should be referred to State or local agencies.

Prepared by: Donna Restivo
of NUS Corporation

Date: December 15, 1987

EPA**POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION****I. IDENTIFICATION**

01 STATE

NY

02 SITE NUMBER

D000513366

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)

Carborundum

02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER

Hyde Park Blvd.

03 CITY

Niagara Falls

04 STATE

NY

05 ZIP CODE

14301

06 COUNTY

Niagara

07 COUNTY

CODE

063

08 CONG

DIST

32

09 COORDINATES

LATITUDE

43° 02' 20" N

LONGITUDE

79° 02' 00" W

10 DIRECTIONS TO SITE (Starting from nearest public road)

From Buffalo Avenue heading west, make a right onto Hyde Park Blvd. Carborundum is approximately 2.5 miles north at the intersection of Rhode Island Avenue.

III. RESPONSIBLE PARTIES

01 OWNER (if known)

Carborundum Corporation

02 STREET (Business, mailing, residential)

Hyde Park Blvd.

03 CITY

Niagara Falls

04 STATE

NY

05 ZIP CODE

14301

06 TELEPHONE NUMBER

(716) 278-3983

07 OPERATOR (if known and different from owner)

Same as above

08 STREET (Business, mailing, residential)

09 CITY

04 STATE

11 ZIP CODE

12 TELEPHONE NUMBER

13. TYPE OF OWNERSHIP (Check one)

☒ A. PRIVATE☐ B. FEDERAL:

(Agency name)

☐ C. STATE☐ D. COUNTY☐ E. MUNICIPAL☐ F. OTHER:

(Specify)

☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☐ A. RCRA 3001 DATE RECEIVED:

MONTH DAY YEAR

☐ B. UNCONTROLLED WASTE SITE (CERCLA 103c) DATE RECEIVED:

MONTH DAY YEAR

☒ C. NONE**IV. CHARACTERIZATION OF POTENTIAL HAZARD**

01. ON SITE INSPECTION

BY (Check all that apply)

☒ YES

DATE: 3/86

MONTH DAY YEAR

☐ A. EPA☐ B. EPA CONTRACTOR☒ C. STATE☐ D. OTHER CONTRACTOR☐ E. LOCAL HEALTH OFFICIAL☐ F. OTHER:

(Specify)

☐ NO

CONTRACTOR NAME(S):

02 SITE STATUS (Check one)

☐ A. ACTIVE☒ B. INACTIVE☐ C. UNKNOWN

03 YEARS OF OPERATION

☒ UNKNOWN

BEGINNING YEAR

ENDING YEAR

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

(See Attachment A)

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

(See Attachment A)

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)

☐ A. HIGH

(Inspection required promptly)

☐ B. MEDIUM

(Inspection required)

☐ C. LOW

(Inspect on time available basis)

☒ D. NONE

(No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT

Diana Messina

02 OF (Agency/Organization)

U.S. EPA, Region 2, Edison, New Jersey

08 TELEPHONE NUMBER

(201) 321-6776

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM

Donna Restivo

05 AGENCY

U.S. EPA

06 ORGANIZATION

NUS Corp., FIT 2

07 TELEPHONE NUMBER

(201) 225-6160

08 DATE

12/15/87

ATTACHMENT A
POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

The Carborundum Gload Plant generated sand, fly ash, pallets, incinerator ash, and residue until 1962. Wastes such as paper, wood, scrap materials, and boxes were incinerated until 1962. The storage area contained scrap metal and oil drums awaiting recycling. Spent solvents were stored in drums at the rear of the building. Presently, all wastes have been removed and the site is paved.

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

There is a potential for hazard to the population via groundwater contamination. Two homes use groundwater as a drinking source.

EPA**POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION****I. IDENTIFICATION**

01 STATE

02 SITE NUMBER

NY

0000513366

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS**01 PHYSICAL STATES** (Check all that apply)

- ☒ A. SOLID ☐ E. SLURRY
☐ B. POWDER, FINES ☒ F. LIQUID
☐ C. SLUDGE ☐ G. GAS
☐ D. OTHER _____
(SPECIFY)

02 WASTE QUANTITY AT SITE(Measures of waste quantities
must be independent)

TONS _____ Unknown
CUBIC YARDS _____
NO. OF DRUMS _____ Unknown

03 WASTE CHARACTERISTICS (Check all that apply)

- ☐ A. TOXIC ☐ E. SOLUBLE ☐ I. HIGHLY VOLATILE
☐ B. CORROSIVE ☐ F. INFECTIOUS ☐ J. EXPLOSIVE
☐ C. RADIOACTIVE ☐ G. FLAMMABLE ☐ K. REACTIVE
☐ D. PERSISTENT ☐ H. IGNITABLE ☐ L. INCOMPATIBLE
Unknown ☐ M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			Wastes stored on site were removed within 90 days.
OLW	OILY WASTE	Unknown		
SOL	SOLVENTS	Unknown		
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS	Unknown		
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS	Unknown		

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
	Unknown				

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis, reports)

Telecon Note: Conversation between Y. Erk, NYSDEC, Region 9 and P. Doherty, NUS Corporation, FIT 2, December 11, 1987.
Niagara County Health Department, Niagara County Hazardous Waste Sites, November - December, 1983
Telecon note: Conversation between Mike Hopkins, Niagara County Health Department, and Donna Restivo, NUS Corporation, December 15, 1987.



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE
NY

02 SITE NUMBER
D000513366

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☒ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: Approximately 8

04 NARRATIVE DESCRIPTION

According to the NYSDEC, sampling of on-site monitoring wells indicated contamination with heavy metals and organic compounds. Groundwater is a source of drinking water for two homes in the area.

01 ☒ B. SURFACE WATER CONTAMINATION

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: 0

04 NARRATIVE DESCRIPTION

There is a potential for surface water contamination. The Niagara River is downgradient, approximately 7,000 feet west of the site; however, there are no drinking water intakes within 3 miles downstream of the site. Also, there are no users of river water in this vicinity.

01 ☐ C. CONTAMINATION OF AIR

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

There is no potential for air contamination. The site is inactive and has since been paved.

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

There is no potential for fire or explosive conditions. The facility is no longer in operation and the area is now paved.

01 ☐ E. DIRECT CONTACT

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

There is no potential for direct contact; the site is paved.

01 ☒ F. CONTAMINATION OF SOIL

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

03 AREA POTENTIALLY AFFECTED: Unknown
(Acres)

04 NARRATIVE DESCRIPTION

There is a potential for soil contamination. Wastes were stored on site with no known containment system.

01 ☒ G. DRINKING WATER CONTAMINATION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☒ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: Approximately 8

04 NARRATIVE DESCRIPTION

Sampling of on-site monitoring wells indicated contamination with heavy metals and organic compounds. Groundwater is a source of drinking water for two homes in the area.

01 ☐ H. WORKER EXPOSURE/INJURY

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 WORKERS POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

There is no potential for worker exposure/injury as the site is inactive.

01 ☒ I. POPULATION EXPOSURE/INJURY

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: Approximately 8

04 NARRATIVE DESCRIPTION

There is a potential for population exposure/injury due to groundwater contamination. Groundwater is used as a drinking source for two homes in the area.



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE
NY

02 SITE NUMBER
D000513366

II. HAZARDOUS CONDITIONS AND INCIDENTS (CONTINUED)

01 ☐ J. DAMAGE TO FLORA

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

There is no potential for damage to flora; the site is paved.

01 ☒ K. DAMAGE TO FAUNA

02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION (Include name(s) of species)

There is potential for damage to fauna. Contaminants migrating to surface water may contaminate aquatic fauna.

01 ☒ L. CONTAMINATION OF FOOD CHAIN

02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

There is potential for contamination of the food chain. Any aquatic fauna that may become contaminated may contaminate the food chain.

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES

02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED

(Spills, Runoff, Standing liquids, Leaking drums)

03 POPULATION POTENTIALLY AFFECTED: 7778

04 NARRATIVE DESCRIPTION

There is a potential for the unstable containment of wastes; no containment system is known to be present on site.

01 ☒ N. DAMAGE TO OFF-SITE PROPERTY

02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

There is a potential for damage to off-site property. There is no known containment system; therefore, any hazardous waste on site may have migrated off site.

01 ☒ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs

02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

Storm sewers are expected to catch any runoff from this site; therefore there is a potential for contamination.

01 ☒ P. ILLEGAL/UNAUTHORIZED DUMPING

02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

There is a potential for illegal/unauthorized dumping. Past operations were not monitored.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

There are no other known, potential, or alleged hazards.

III. TOTAL POPULATION POTENTIALLY AFFECTED: 7778

IV. COMMENTS

An off-site reconnaissance was not conducted, therefore photographs are not available.

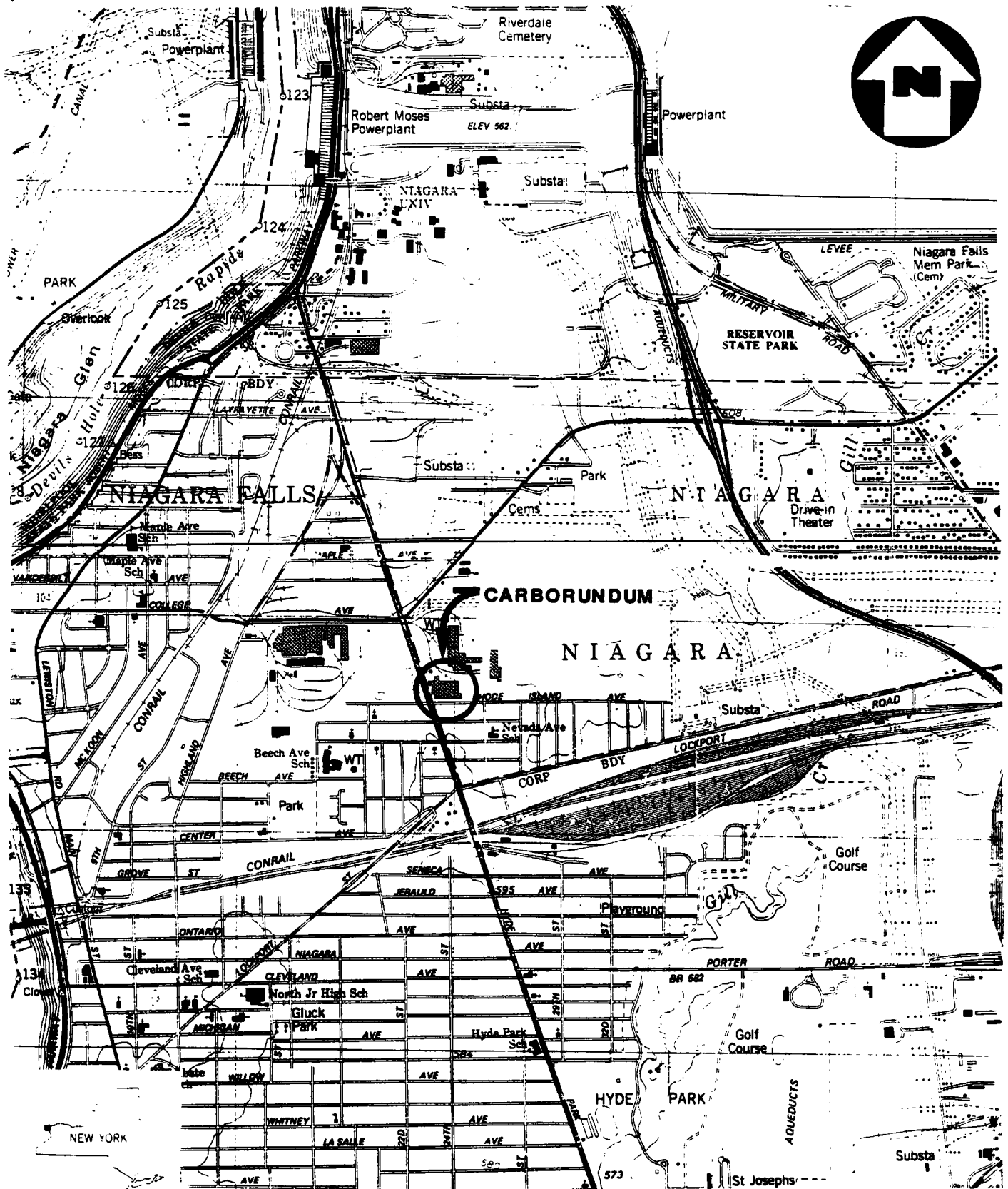
V. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis, reports)

Niagara County Health Department, Niagara County Hazardous Waste Sites, November-December, 1983. // Telecon Note: Conversation between Y. Erk, NYSDEC Region 9, and P. Doherty, NUS Corporation, December 11, 1987. // General Sciences Corporation, Graphical Exposure Modeling System (GEMS), Landover, MD, 1986. // Telecon Note: Conversation between Mike Hopkins, Niagara County Health Department and Donna Restivo, NUS Corporation, December 15, 1987.

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Rev. No. 0

APPENDIX A

MAPS



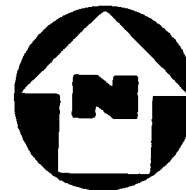
(QUAD) NIAGARA FALLS, N.Y.

SITE LOCATION MAP
CARBORUNDUM, NIAGARA, N.Y.

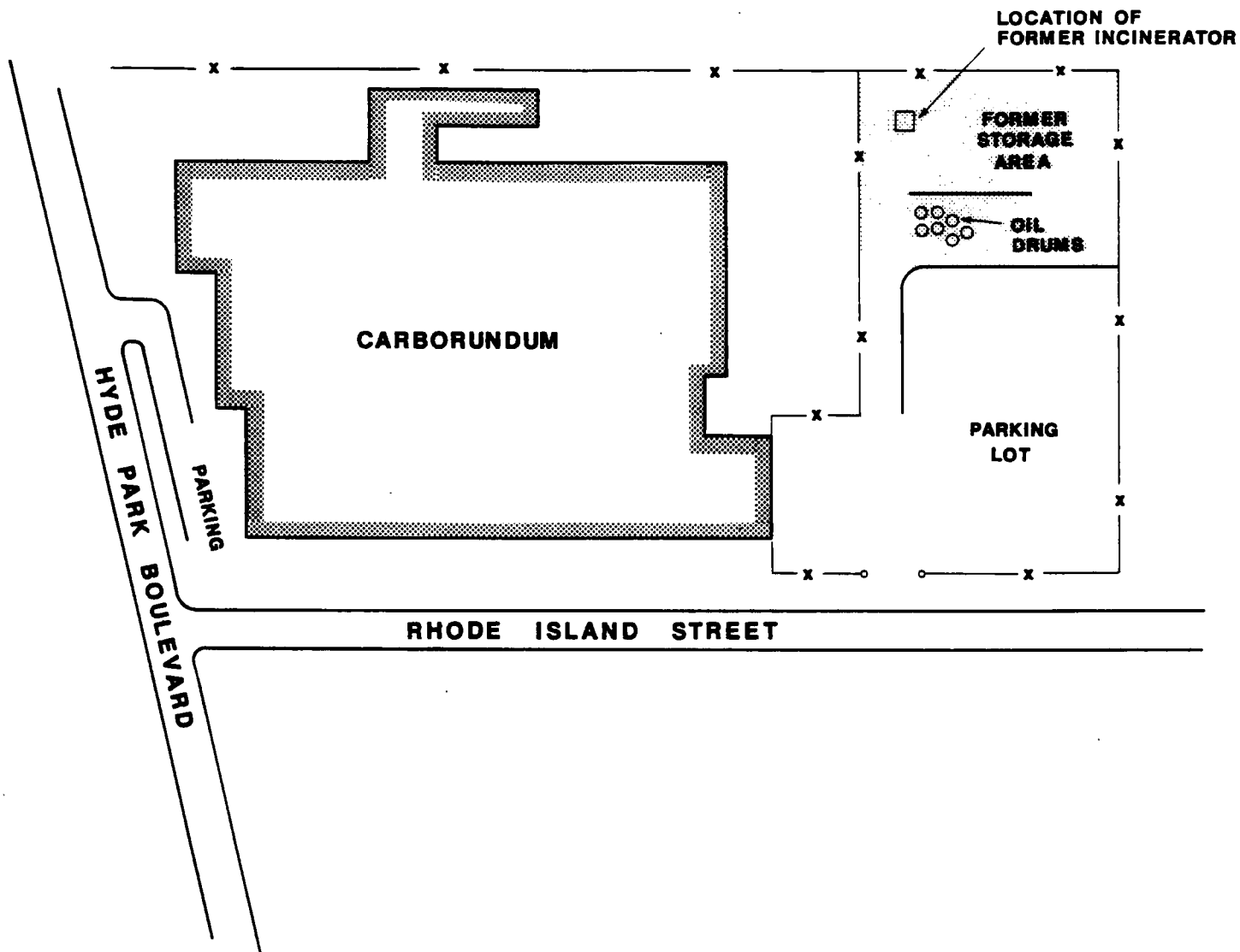
SCALE: 1"=2000'

FIGURE 1





UNION CARBIDE CORPORATION



SITE MAP
CARBORUNDUM, NIAGARA, N.Y.
(NOT TO SCALE)

FIGURE 2



APPENDIX B
BACKGROUND INFORMATION

02-802-06

12/5/87

900

DISTRIBUTION

Carborundum (Global)

NYDHPA

BETWEEN

Mike Hopkins

OF Niagara County
Health Dept.

PHONE

(716) 284-3128

AND

Donna Restivo

DISCUSSION:

I asked Mr. Hopkins what the Carborundum Global Plant produced and he said that they made heating elements (ceramic and graphite). He said Global meant heat. He said that the site is closed and the ~~so~~^{so} contaminated area would be thru spills. I asked Mr. Hopkins if any Phase I Investigations had been done. He said he wasn't sure and if it was, it was done recently. It ~~was~~^{was} probably still in draft form. He said no cleanup has been done, but the surface is paved. The pavement ~~was not~~^{was not} done as cleanup, but for some other reason. Mr. Hopkins said that Carborundum is doing some investigations and that they put in wells and took soil samples. Some solvents were found, but he said there were a lot of sites nearby so ~~it~~^{it} he's not sure if it was a big deal. He said there has been no upgradient data.

ACTION ITEMS:

CONTROL NO:

02-8712-06

DATE:

December 11, 1987

TIME:

3:00 pm

DISTRIBUTION:

Carbounum (Glover) NYDH PA.

BETWEEN:

OF: Albany NYSDC
CENTRAL OFFICE

PHONE:

(518) 457-0730

AND:

P. Maherty

(NUS)

DISCUSSION:

NYSDC # 932036

Carbounum submitted a petition for delisting in late 85 or early 86. The site is still listed (AS IN THE DECEMBER 86 PUBLICATION OF INACTIVE HAZARDOUS WASTE DISPOSAL SITES IN NEW YORK STATE) as a 2a.

A Phase I Investigation was scheduled for and completed in March 1986. The State Health Department was responsible for the investigation.

ACTION ITEMS:

The documentation for the delisting petition is being sent to me.

NIAGARA COUNTY
HAZARDOUS WASTE SITES

NIAGARA COUNTY HEALTH DEPARTMENT
INVOLVEMENT AND CONCERNS

...CONFIDENTIAL...

Prepared By: Michael Hopkins
Nov.-Dec. 1983

NAME

CARBORUNDUM GLOBAL (DEC #932048 - b)

LOCATION

A former storage area is located in the plant yard at the northeast corner of the plant property. The Carborundum Global Plant is located on Hyde Park Boulevard at Rhode Island Avenue in the Town of Niagara.

OWNERSHIP

The property is owned by the Carborundum Corporation. The contact person at the Global Plant is Mr. Frank Saulino (278-3583).

HISTORY

The area described above was used as a storage area for wastes prior to off-site disposal or incineration on-site. According to the IATF Report, wastes such as paper, wood, scrap materials and boxes were incinerated on-site until 1962. This was verified by Mr. Saulino of Carborundum. Currently, all wastes are hauled off-site for disposal.

The storage area presently contained scrap metal and about 20 drums of oil awaiting recycling. This is hydraulic oil according to Mr. Saulino and will be removed within 90 days. The soil in this area showed signs of oil contamination. No other wastes were stored here.

Several drums of scrap solvents were stored at the rear of the building. These are removed periodically by a hauler for disposal. All other wastes were found to be in dumpsters.

Mr. Saulino said that all wastes are removed for disposal within 90 days to eliminate the necessity of obtaining a Part 360 Permit.

PREVIOUS SAMPLING

There is no record of previous sampling at this site.

SOILS/GEOLOGY

No data on soil types and properties was found. The native soils may have been disturbed or filled upon during the construction of the plant or compacted from years of vehicular traffic. Portions of the surface are gravelled.

Bedrock is believed to be Lockport Dolomite.

GROUNDWATER

The depth to the water table and the direction of groundwater flow are unknown.

GROUNDWATER (continued)

The nearest known well is roughly 4,500 feet north. This well is used only for washing, not drinking. Less than 50 people within a three mile radius are believed to use well water for any purpose. There are no industrial wells in this area.

SURFACE WATER

Storm sewers are expected to catch any runoff from this site. Groundwater is suspected to eventually enter the Niagara River.

The Niagara River is 7,000 feet west of the site. There are no drinking water intakes within three miles downstream and no users of river water in this vicinity are known.

There are no wetlands within one mile. The site is not within a flood plain.

AIR/FIRE/EXPLOSION

There is a potential for fire and air emissions because oil is stored here. If the oil is removed, the potential would be reduced.

It is estimated that 300 to 500 people live within one mile of this site and that 2,000 people live within two miles. Land use in this area is roughly 50% residential, 50% industrial. The nearest residential area is 200 feet away on Rhode Island Avenue. Several hundred buildings are within two miles.

DIRECT CONTACT

The site is on the plant property and supervised by plant personnel. No toxic materials are known to be present.

CONCLUSIONS

This is a storage area or a former storage area, not a Landfill Site. Currently only scrap metal and oil awaiting recycling is stored here. Some minor contamination of the soil with oil is apparent.

A second inspection will be made in June, 1982, to assure that wastes are not stored longer than 90 days.

HYDE PARK BOULEVARD

PARKING

RHODE ISLAND STREET

PARKING

CARBORUNDUM
GLOBAL
PLANT

UNION CARBIDE CORPORATION

RESIDENTIAL
AREA

ARBORUNDUM -
GLOBAL SITE
#932036

RR
SIDING

ROAD

PARKING
LOT

000
000
000
OIL
DRUMS

FORMER
STORAGE
AREA

FORMER
LOCATION
of
INCINERATOR

Not to Scale

Michael E. [Signature]

4/28/82

→ N

CARBORUNDUM GLOBAR

DEC No. 932036

The Niagara County Health Department has been involved with this site as follows:

1. Performed preliminary investigation and wrote profile report (1982).

The Niagara County Health Department has the following concerns regarding this site:

1. No permanent disposal area has been found. No health problems are anticipated.

NOTE: A profile report is attached.

02-8712-06

CARBORUNDUM

Lat: 43°07'20"N

Long: 79°02'00"W

Data List of Dataset: NYDH

Number of Records = 6

REC #	POP	HOUSE	DISTANCE	SECTOR
1	435	151	0.400000	
2	863	290	0.5 0.810000	
3	7778	2,721	1.60000	
4	34,204	12,013	3.20000	
5	58,220	21,707	4.80000	
6	71,862	26,677	6.40000	

CONTROL NO:

02-8712-06

DATE:

December 11, 1987

TIME:

10:00 am

DISTRIBUTION:

~~Control~~ Carboundum NYDHPA

BETWEEN:

Mr. Nucky

OF: Nua Co.

Health Dept

PHONE:

(716) 284-3128

AND:

P. Mahoney (NUS)

DISCUSSION:

Mr. Nucky thought that the Carboundum Plant dealt with Carbon products. It closed down operations about 1 year ago.

Some time ago Carboundum conducted its own investigation (to have itself delisted from DEC) wells were installed - Contaminants were detected in the GW but not (?) attributable to Carboundum's operations

GW is used as a source of drinking water for 5 users on

ACTION ITEMS:

Delaware and Pennsylvania Ave → These people are in process of switching to public supply (SW intakes on Nua River)

CONTROL NO:

02-8712-06

DATE:

November 11, 1987

TIME:

2:10 pm

DISTRIBUTION:

Carbounidium

NY DEC

PA.

page 1

BETWEEN:

J. Erb

OF: NYSDEC

Region 9

PHONE:

(716) 847-4855

AND:

G. Roberts (NUS)

DISCUSSION:

Carbounidium had not been cooperative with the NYSDEC.

To an attempt to remove themselves from the NYSDEC list - conducted their own site inspection. Sampling of on site monitoring wells indicated contamination with heavy metals and some organic compounds. - They claimed that these compounds were not attributable to their operations. NYSDEC was not satisfied with the SI and approached Carbounidium. Carbounidium refused any involvement with the DEC.

ACTION ITEMS:

The file was then handed to the DEC in Albany.

Carbounidium Global was involved in the development of electronic devices

CONTROL NO:

02-8712-06

DATE:

Dec 11 87

TIME:

2:10 pm

DISTRIBUTION:

Carbonandum

NYDH 7A

page 2

BETWEEN:

J. Erb

OF:

NYSDEC

PHONE:

Region 9

(716) 947-4535

AND:

P. Sherty

(NUS)

DISCUSSION:

Mr Erb did not know.

① of the former storage area
was paved or bermed

② site history

③ description of operations or
types of products used.

ACTION ITEMS:

CONTROL NO:

02-8712-06

DATE:

December 11, 1987

TIME:

1:30 pm

DISTRIBUTION:

Carborundum NY CH PA

BETWEEN:

Dean Brown

OF: Niagara (TOWN)

Water Department

PHONE:

(716) 297-2150

AND:

G. Moriarty (Nus)

DISCUSSION:

Mr Brown informed me that there are 2 households on Delaware Avenue that still use GW as drinking water. The homes on Pennsylvania Ave are supplied with city water.

ACTION ITEMS:

CONTROL NO:

02-8712-06

DATE:

December 11, 1987

TIME:

1050

DISTRIBUTION:

Carboundum NY DH PA

BETWEEN:

Mr. Burmaster

OF:

Nia County
H₂O district

PHONE:

(716) 434-8835

AND:

G. Maherty (NUS)

DISCUSSION:

Nia. Co. H₂O district supplies water to individual towns - delivers to town line & town distributes the water. Up until very recently the Town of Niagara was fed by the Niagara Falls H₂O dist. Currently, has their own system.

He referred me to DEAN BROWN, Town of Niagara
(716) 297-2150.

ACTION ITEMS:



Division of Solid and Hazardous Waste

Inactive Hazardous Waste Disposal Sites in New York State Annual Report

December 1986

**A Joint Report
of the New York State Departments of Environmental Conservation and Health
New York State/Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233-0001**

D.E.C REGION - 9
- SUMMARY OF INACTIVE WASTE DISPOSAL SITES IN NEW YORK STATE -

NAME	CITY-TOWN-VILLAGE	COUNTY	HRS	ID-#	Classf.	
					CODE	PAGE
Stauffer Chemical, North of Love Canal	Lewiston	Niagara	—	9-32-034	3	9-363
Union Carbide Corp., Carbon Prod. Div.	Niagara	Niagara	—	9-32-035	2a	9-365
Carborundum Company, Global	Niagara	Niagara	—	9-32-036	2a	9-367
Olin Corporation - Disposal Well	Niagara Falls	Niagara	—	9-32-037	4	9-369
Van De Mark Chemical Company, Inc.	Lockport	Niagara	—	9-32-039	2a	9-371
Reichhold-Vacuum Chemical Division	Niagara	Niagara	—	9-32-040	2	9-373
Wurlitzer	North Tonawanda	Niagara	—	9-32-041	2a	9-375
Niagara Recycling	Niagara Falls	Niagara	—	9-32-042	2a	9-377
Frontier Chemical - Pendleton	Pendleton	Niagara	—	9-32-043	2	9-379
Buffalo Pumps Div-Buf. Forge Comp	North Tonawanda	Niagara	—	9-32-044	2a	9-381
Necco Park	Niagara & Niagara Falls	Niagara	—	9-32-047	2	9-383
Carborundum Corp, Bldg. 82,30,32	Niagara Falls	Niagara	—	9-32-048B	2a	9-385
Stauffer Chemical - Art Park Site	Lewiston	Niagara	—	9-32-049	3	9-387
Olin Corporation-Industrial Welding	Niagara Falls	Niagara	—	9-32-050	2	9-389
Olin Corporation Parking Lot	Niagara Falls	Niagara	—	9-32-051A	2	9-391
Olin Corporation Plant Site	Niagara Falls	Niagara	—	9-32-051B	2	9-393
Bell Aerospace - Textron	Wheatfield	Niagara	—	9-32-052	2	9-395
Stauffer Chemical Plant-PASNY Site	Lewiston	Niagara	—	9-32-053	2	9-397
Niagara Sanitation Company	Wheatfield	Niagara	—	9-32-054	2a	9-399
Niagara River Site (Belden Site)	Wheatfield	Niagara	—	9-32-055	3	9-401
Dibacco Site - Old Creek Bed #1	Niagara Falls	Niagara	—	9-32-056A	2a	9-403
Dibacco Site - (LPS Site)	Niagara Falls	Niagara	—	9-32-056D	2a	9-405
Robert Moses Parkway	Niagara Falls	Niagara	—	9-32-057	2a	9-407
Ross Steel Company, Inc.	Niagara Falls	Niagara	—	9-32-058	2a	9-409
Roblin Steel	North Tonawanda	Niagara	—	9-32-059	2a	9-411
Gratwick - Riverside Park	North Tonawanda	Niagara	—	9-32-060	2	9-413

of Health pursuant to Section 1389b of the Public Health Law as occurred at Love Canal in 1978 and 1979. A Classification 1 site could properly be subject to summary abatement authority of the Commissioners of New York State Department of Environmental Conservation and the New York State Department of Health. New York State has no classification 1 sites.

Classification 2 sites are sites about which enough information exists to determine that they pose a significant threat to the public health or the environment. This determination is made, taking into account the following factors:

- a) whether hazardous waste at the site causes or contributes to the contravention of groundwater quality standards, surface water quality standards or air quality standards;
- b) the type and quantity of wastes; and
- c) the characteristics of the site, including the likelihood of human contact with the wastes, and whether the hydrogeologic features of the site favor migration of wastes off site.

In order to assess these factors, a considerable amount of information must be obtained about the site. In almost every case, a Phase I investigation or equivalent is needed to provide the needed data, and in many cases a Phase II investigation or equivalent must be made to obtain sufficient data.

A site is assigned to classification 2 if the presence of hazardous waste can be confirmed and:

- 1) DOH has determined it poses a significant health threat;
- 2) It has an HRS score greater than 28.5 and is included on or proposed for the NPL; or
- 3) It is the source of contaminants causing contravention of environmental standards.

New York State has 280 classification 2 sites.

Classification 2a. Sites whose significance cannot be determined from existing data have been temporarily placed in Classification 2a, a special subset of classification 2 which will be eliminated as more information is obtained about these sites.

Classification 2a now contains 616 sites.

Most classification 2a sites will require the equivalent of a Phase I investigation and an estimated 40-60 percent will need a Phase II investigation before their significance will be known. Some classification 2a sites are expected to be removed from the list after further investigation has shown that no hazardous wastes are present.

ITF Site #10

Owner - Carborundum Company

Site Location - Northeast corner of Gload Plant, Hyde Park Blvd.,
Niagara Falls

Present Status - Inactive

Dates of Use - Unknown

Description of
Wastes and Comments - Temporary storage site for graphite, dust and carbide used
prior to on-site incineration or off-site disposal; Quan-
tities unknown.

The Carborundum Company (Gload plant) is not identified; however, the description
of the materials does not indicate the presence of hazardous substances.

Table C-4.--Phenol concentrations in ground-water samples from Carborundum Abrasive Division, site 9, Wheatfield, N.Y., 1981.
[Concentrations in µg/L, <1 = detection limit. Blank space indicates no analysis performed.)¹

Sample ²	Date of collection				
	2-17-81	3-4-81	9-15-81	10-6-81	11-24-81
Field Blank	<1	<1	<1	2	3
Manhole 1	250	1	<1	14	6
Manhole 2			<1	13	<1
Manhole 3			<1	30	<1
OW-1-81	53,500	50,000			
OW-2-81	11	7	<1	8	1
OW-3-81	9	8	4	6	4
OW-4-81	17	<1	<1	4	2
OW-5-81	25	24	4	5	<1

¹ Data from Advanced Environmental Systems, Inc.

² OW = Observation wells.

Preliminary Evaluation of Chemical Migration To Groundwater and The Niagara River from Selected Waste-Disposal Sites, EPA 1985

10. CARBORUNDUM, GLOBAL PLANT (Literature review)

NYSDEC 932036

General information and chemical-migration potential.--The Carborundum Global Plant, on Hyde Park Boulevard in Niagara Falls, generated sand, fly ash, pallets, incinerator ash and residue until 1962, and scrap containers and products, wood, pulp, and empty drums as waste. Plant wastes were temporarily stored in the northeast corner of the property before onsite incineration or offsite disposal. This site is no longer active, and the incinerator is not used. No geologic, hydrologic or chemical information is available. The potential for chemical migration is indeterminable.

11. CHISHOLM RYDER (USGS field reconnaissance)

NYSDEC 932009

General information and chemical-migration potential.--The Chisholm Ryder site, in the city of Niagara Falls, was used to dispose of unknown quantities of ash, cinders, rubble, grease, oil, metal turnings, and water-soluble coolant.

The potential for vertical contaminant migration may be high because the overburden is shallow. The elevated concentrations of some heavy metals such as zinc and the presence of organic priority pollutants indicate that sampling may have been within the burial area. The potential for contaminant migration is indeterminable because the hydrogeologic data are limited.